MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, SYRIA

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

MAY, 1938

J. A. BROWN, DIRECTOR

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JUL 23 1938
WEATHER BUREAU

MAY 1938

METEOROLOGICAL REGISTER

Date	Barometer reduced to oC Sea level and 45 Latitude 700 mm. + ...				Thermometer Cent.					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	58.5	57.5	56.3	57.4	25.6	16.8	21.1	22.2	17.7	20.3
2	5.7	5.1	5.1	5.3	23.3	16.7	22.7	17.2	17.8	19.2
3	5.0	5.3	6.6	5.6	21.5	16.2	18.8	20.6	17.6	19.0
4	6.5	6.5	6.5	6.5	22.1	16.4	19.3	20.9	17.3	19.2
5	9.2	60.2	61.7	60.4	23.1	15.2	20.0	21.8	16.2	19.3
6	63.0	61.9	61.6	62.2	23.4	17.4	20.7	22.0	19.4	20.7
7	0.6	59.8	58.7	59.7	25.5	17.3	20.5	24.2	21.1	21.9
8	57.1	7.7	7.0	7.3	29.8	18.3	20.7	28.2	20.7	23.2
9	9.4	9.2	9.9	9.5	28.8	18.4	24.8	27.3	19.9	24.0
10	60.8	61.1	61.3	61.1	27.2	18.3	22.2	25.8	20.5	22.8
11	61.9	61.5	61.8	61.7	28.1	18.9	23.3	26.2	20.6	23.4
12	0.7	1.2	1.1	1.0	28.1	17.9	23.6	25.4	21.2	23.4
13	1.6	1.5	0.5	1.2	25.0	16.4	22.1	24.1	21.1	22.4
14	0.7	0.4	1.2	0.8	24.8	16.7	22.0	23.4	19.2	21.5
15	1.3	1.0	1.3	1.2	24.3	16.9	21.1	22.9	18.4	20.8
16	61.0	61.4	61.4	61.3	24.0	14.6	19.9	23.3	18.2	20.5
17	1.2	0.8	1.4	1.1	23.2	15.9	17.3	20.6	17.2	18.4
18	1.3	1.3	1.8	1.5	25.3	16.1	21.3	24.4	17.8	21.2
19	2.7	2.7	2.4	2.6	25.3	17.2	21.8	23.8	19.4	21.7
20	1.4	0.1	59.6	0.4	27.6	19.9	23.7	25.0	21.1	23.3
21	58.6	57.4	57.4	57.8	28.0	19.8	24.7	26.8	23.1	24.9
22	9.3	8.9	9.8	9.3	32.6	19.6	25.2	29.7	21.7	25.5
23	9.6	60.8	7.8	9.4	29.8	19.2	24.3	29.4	22.2	25.3
24	7.8	56.2	6.1	6.7	28.9	19.2	24.2	27.9	21.8	24.6
25	7.2	7.7	8.5	7.8	26.9	19.4	24.1	25.8	20.4	23.4
26	59.4	60.2	60.8	60.1	26.1	18.2	22.9	24.9	19.5	22.4
27	61.0	0.9	1.3	1.1	26.3	17.7	23.4	24.8	19.8	22.3
28	0.9	0.5	0.9	0.8	26.5	18.1	22.3	24.7	19.9	22.3
29	1.2	0.5	0.6	0.8	27.5	18.3	23.6	26.4	21.8	23.9
30	59.5	58.8	59.7	59.3	27.2	17.2	24.2	26.1	20.4	23.6
31	9.4	9.2	60.3	9.6	27.1	18.3	23.3	26.2	20.2	23.2
	759.79	759.53	759.69	759.67	26.23	17.63	22.23	24.58	19.78	22.18

Barometer, range for month 755.0 mm.—763.0 mm.
,, 50-yr. average for month 759.624 mm.
Thermometer, range for month 14.6° C.—32.6° C.
,, 50-yr. average for month 22.19° C.
Rain, total for month 37.258 mm.
,, , 50-yr. average for month 20.83 mm.
,, , total, Sept. 1st to end of month 1194.771 mm.
,, 50-yr. average, Sept. 1st to end of month 902 73 mm.

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METEOROLOGICAL REGISTER

Date	Elasticity of Vapor mm.				Relative Moisture per cent.				Sun. hrs.	Wind per day	Rain mm.
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean		Kms.	
1	17.5	17.7	14.2	16.5	94	89	94	92	3.8	247.2	
2	9.9	12.4	13.5	11.9	48	82	88	73	9.1	723.4	5.330
3	11.8	13.0	11.8	12.2	73	73	78	75	6.3	542.7	6.350
4	10.8	10.4	11.0	10.7	65	56	75	65	10.1	552.3	trace
5	12.0	12.3	12.1	12.1	69	63	89	74	11.7	251.1	0.889
6	13.4	13.6	12.3	13.1	74	69	73	72	12.2	447.6	
7	13.7	15.8	14.8	14.8	76	70	79	75	11.6	280.9	
8	14.0	16.1	15.0	15.0	78	57	82	72	12.7	256.0	
9	13.0	14.7	14.5	14.1	56	54	83	64	12.8	188.1	
10	15.1	16.7	13.8	15.2	76	67	77	73	12.9	233.0	
11	15.1	16.3	16.6	16.0	71	65	92	76	11.3	251.2	
12	13.3	15.9	14.1	14.6	63	66	76	68	11.3	518.2	
13	13.2	13.5	16.1	14.3	66	63	83	71	10.6	437.0	
14	12.3	15.9	12.3	13.5	63	74	75	71	12.3	431.1	
15	11.9	11.6	12.0	11.8	64	54	77	65	11.1	530.0	2.413
16	11.5	12.3	11.5	11.8	67	57	75	66	9.7	424.2	3.886
17	12.6	13.1	12.5	12.7	85	73	86	81	7.8	386.4	18.390
18	12.7	13.3	12.8	13.1	67	61	84	71	13.2	184.6	
19	13.9	13.7	13.2	13.6	71	62	79	71	12.9	276.0	
20	13.1	15.3	13.8	14.1	59	65	73	66	13.0	408.7	
21	14.5	15.6	13.2	14.4	63	58	63	61	12.3	316.2	
22	17.0	19.6	15.4	17.3	72	63	80	72	13.1	209.8	
23	17.8	19.0	13.9	16.9	79	62	69	70	12.6	305.7	
24	16.8	20.0	15.8	17.5	75	71	81	76	11.7	356.1	
25	16.4	16.0	15.4	15.9	73	65	86	75	12.5	421.3	
26	12.0	12.2	12.9	12.4	57	52	77	62	11.3	375.3	
27	12.5	12.9	12.9	12.8	58	56	76	63	10.3	284.4	
28	13.2	13.8	13.0	13.3	65	59	75	66	12.4	187.3	
29	14.4	15.7	16.2	15.4	66	61	83	70	13.0	181.2	
30	15.5	16.1	14.9	15.5	69	63	83	72	13.0	242.3	
31	14.4	15.2	15.2	14.9	67	60	86	71	12.9	236.0	
	13.74	14.85	13.76	14.11	68.7	64.2	79.9	70.9	11.34	344.69	1.202

Height of Barometer above sea level: 33.7 meters.
„ „ Thermometers above ground:
Dry and wet 1.55 m.; Max. 1.75 m.; Min. 1.70 m.
Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.
Time of readings minus 2 hours equals G. C. T.
50-year averages are for period, 1875-1924

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	Clouds Clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	0	7ci	0	2.3	3w	2s	2n	calm	
2	10cu	10ni	10ni	10.0	4s	5se	6s	„	mist a.m.
3	5cu	4cu	3cu	4.0	4s	5s	4s	rough	„ „
4	4cu	5cu	7cu	5.3	4s	5s	4s	„	
5	6cu	0	0	2.0	3s	3s	1s	mod.	lightning at night
6	4cu	2cu	7cu	4.3	2nw	4n	4ne	„	
7	5stcu	2cu	0	2.3	2nw	3n	4ne	slight	mist a.m.
8	0	0	0	0.0	2se	2w	3w	„	„ „ plus dew
9	0	0	3ci	1.0	2nw	3nw	1n	calm	dew a.m.
10	2ci	0	6ci	2.7	2s	2nw	2e	„	„ „
11	3ci	4ci	0	2.3	2sw	2nw	2n	„	heavy dew a.m.
12	10ci	6stci	0	5.3	4s	4s	4s	slight	mist a.m.
13	3cu	10ci	0	4.3	4s	4s	3s	mod.	
14	7cu	6cu	6cu	6.3	3s	4sw	3s	„	
15	5cu	7cu	6cu	6.0	4s	4sw	3s	„	
16	10cu	7cu	6cu	7.7	4s	4s	2s	„	
17	9nicu	9cu	4cu	7.3	4s	4s	3s	slight	
18	2cu	2stcu	0	1.3	2sw	3sw	2sw	„	
19	0	0	0	0.0	2sw	2n	3ne	„	mist a.m.
20	0	0	0	0.0	2n	3n	4n	„	
21	7cist	4cu	0	3.7	3se	3n	3ne	mod	
22	3stcu	0	0	1.0	2s	3nw	1ne	slight	„ „
23	0	0	0	0.0	1sw	2n	4se	„	fog a.m.
24	7ci	4ci	0	3.7	3s	2s	2sw	calm	heavy dew a.m.
25	7cu	3cu	0	3.3	4s	4sw	2s	slight	
26	2cu	2cu	0	1.3	2sw	4sw	2s	mod.	
27	5cu	5cu	8cu	6.0	2sw	3sw	2s	„	
28	4cu	3cu	3cu	3.3	1nw	2n	1n	slight	mist a.m.
29	0	0	0	0.0	2nw	3nw	2nw	calm	„ „
30	5cu	2st	0	2.3	2sw	3sw	2sw	„	
31	3cu	0	0	1.0	3sw	3sw	1sw	slight	
				3.23	2.7	3.2	2.6		

NUMBER OF DAILY WIND OBSERVATIONS

Time	N	NE	E	SE	S	SW	W	NW	Calm	Total
8:30	1	0	0	2	14	8	1	5	0	31
14:30	7	0	0	1	9	8	1	5	0	31
20:30	5	5	1	1	13	4	1	1	0	31
Totals	13	5	1	4	36	20	3	11	0	93

Number of days with rain 6, fog 1, thunderstorms 0, gales 0.

50 yr. average number of days with rain during month 3.2